



Access this document

Full Text: PDF (152 KB)

Download this citation

Choose Citation & Abstract

Download ASCII Text

[» Learn More](#)

Rights and Permissions

[» Learn More](#)

Phoneme classification using Markov models

[Meriardo, B.](#) [Derouault, A.](#) [Soudoplatoff, S.](#)

IBM France Scientific Center, Paris, France

This paper appears in: [Acoustics, Speech, and Signal Processing, IEEE International ICASSP '86.](#)

Publication Date: Apr 1986

Volume: 11

On page(s): 2759 - 2762

Posted online: 2003-01-29 10:26:19.0

Abstract

An approach for supporting large vocabulary in speech recognition is to use broad phone the search to a subset of the dictionary. In this paper, we investigate the problem of defining classification for a given speech decoder, so that these broad phonetic classes are recognized as possible from the speech signal. More precisely, given Hidden Markov Models of phonetic similarity measure of the phonetic machines, and use a standard classification algorithm to classification. Three measures are proposed, and compared with manual classifications.

Index Terms

Indexing

Controlled Indexing
Not Available

Non-controlled Indexing
Not Available

Author Keywords
Not Available

References

No references available on IEEE Xplore.

Citing Documents

No citing documents available on IEEE Xplore.